

Graco ULTRA MAX II 490 PC PRO

Graco Ultra Max II 490 PC Pro Electric Airless Paint Sprayer, Hi-Boy 17E854 User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Graco Ultra Max II 490 PC Pro Electric Airless Paint Sprayer, Hi-Boy model 17E854. Please read this manual thoroughly before operating the equipment to ensure proper use and to prevent injury or damage.

The Graco Ultra Max II 490 PC Pro is designed for professional painting applications, offering advanced features for consistent spray performance and efficient job management.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in serious injury or death.

- Always wear appropriate personal protective equipment, including eye protection, gloves, and a respirator, when operating the sprayer.
- Ensure adequate ventilation in the work area to prevent the accumulation of hazardous fumes.
- Keep away from heat and open flames. Do not use with flammable materials unless specifically designed and rated for such use, and always follow manufacturer guidelines for material compatibility.
- Ensure the sprayer is properly grounded to prevent electrical shock.
- Never point the spray gun at yourself or others. High-pressure fluid can cause serious injury.
- Always relieve pressure before cleaning, servicing, or storing the unit.
- Dispose of paint, solvents, and cleaning materials in accordance with local, state, and federal regulations.
- Keep children and pets away from the work area and equipment.

3. PRODUCT OVERVIEW

The Graco Ultra Max II 490 PC Pro is an electric airless paint sprayer designed for durability and performance. Key features include:

- **SmartControl 3.0:** This system continuously monitors sprayer performance, adjusting motor speed to match your spraying needs. It measures sprayer gallons, hours, and pressure, and provides diagnostic support

messages.

- **BlueLink Job and Sprayer Management System:** Allows tracking of every sprayer, monitoring job progress, and maximizing uptime through advanced management capabilities.
- **MaxPower Brushless DC Motor:** A durable motor that creates more torque and delivers maintenance-free performance.
- **FastFlush High-Flow Cleaning System:** Enables cleaning up to four times faster with half the water, improving efficiency.
- **Easy Transport:** The Hi-Boy model includes a kickstand for easy one-person bucket changes, enhancing mobility on job sites.



This image shows the Graco Ultra Max II 490 PC Pro Electric Airless Paint Sprayer, Hi-Boy model, featuring its blue and black design with the control panel visible.

4. SETUP

Before initial use, ensure all components are present and undamaged.

1. **Unpacking:** Carefully remove the sprayer and all accessories from the packaging.

2. **Assembly:** Attach the high-pressure hose to the sprayer outlet and the spray gun. Ensure all connections are tight.
3. **Tip Installation:** Install the appropriate spray tip for your material and application into the spray gun.
4. **Material Preparation:** Stir your paint or coating thoroughly. For optimal performance, strain the material to remove any lumps or debris.
5. **Priming:** Place the suction tube into the paint container and the drain tube into a waste bucket. Turn the prime/spray valve to the prime position. Turn on the sprayer and allow it to run until paint flows smoothly from the drain tube, indicating the pump is primed.
6. **Kickstand Use (Hi-Boy models):** Utilize the integrated kickstand for stable positioning and easy one-person bucket changes.

5. OPERATING INSTRUCTIONS

Proper operation ensures a quality finish and extends the life of your sprayer.

1. **Pressure Adjustment:** Turn the prime/spray valve to the spray position. Use the SmartControl 3.0 interface to set the desired pressure. Start with a lower pressure and gradually increase until you achieve a consistent spray pattern without tails.
2. **Spraying Technique:** Maintain a consistent distance (typically 10-12 inches) from the surface. Move the spray gun in smooth, overlapping passes. Release the trigger at the end of each pass to prevent excessive build-up.
3. **Material Changes:** When changing materials or colors, thoroughly clean the sprayer as described in the Maintenance section.
4. **Shutting Down:** When finished spraying, turn off the sprayer, relieve pressure by engaging the gun safety lock and then pulling the trigger into a waste bucket, and then turn the prime/spray valve to the prime position.

Your browser does not support the video tag.

An embedded video demonstrating the features or operation of the Graco Ultra Max II 490 PC Pro Electric Airless Paint Sprayer.

6. MAINTENANCE

Regular cleaning and maintenance are crucial for the longevity and optimal performance of your Graco sprayer.

- **Cleaning After Each Use:** Utilize the FastFlush High-Flow Cleaning System. Flush the system with an appropriate cleaning solution (water for latex, mineral spirits for oil-based paints) until the fluid runs clear.
- **Filter Cleaning:** Regularly clean or replace the gun filter and manifold filter to prevent clogs and maintain spray quality.
- **Tip Maintenance:** Clean spray tips after each use. If a tip becomes clogged during spraying, reverse the tip to clear it.
- **Pump Protector:** For storage, especially in freezing temperatures, run pump protector fluid through the system to lubricate components and prevent corrosion.
- **Motor:** The MaxPower Brushless DC Motor is designed for maintenance-free performance, requiring no brush replacement.
- **Storage:** Store the sprayer in a clean, dry, and temperature-controlled environment.

7. TROUBLESHOOTING

The SmartControl 3.0 system provides diagnostic support messages. Refer to the display for specific error codes

and recommended actions. Below are common issues and general solutions:

Problem	Possible Cause	Solution
No spray or low pressure	Clogged tip, clogged filter, air in system, worn pump packings	Clean/replace tip, clean/replace filters, re-prime pump, contact service for pump repair
Inconsistent spray pattern (tails)	Pressure too low, worn tip, material too thick	Increase pressure, replace tip, thin material (if recommended by paint manufacturer)
Leaking from gun or hose	Loose connections, damaged seals/O-rings	Tighten connections, inspect and replace damaged parts
Motor runs but no pressure builds	Inlet valve stuck open, pump not primed, severe air leak	Clean inlet valve, re-prime, check for loose connections

For persistent issues or complex repairs, contact Graco customer support or an authorized service center.

8. SPECIFICATIONS

Specification	Detail
Brand	Graco
Model Number	ULTRA MAX II 490 PC PRO
Tank Volume	1.5 Gallons
Color	Blue
Material	Stainless Steel
Item Weight	0.01 Ounces (Note: This weight may refer to packaging or a specific component, actual product weight may vary)
Style	Hi-Boy
Power Source	Electric
Maximum Pressure	3300 Pound per Square Inch
Hose Length	3 Meters
UPC	755652818663
Package Dimensions	33 x 24.5 x 22 inches

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation included with your product or visit the official Graco website. Graco typically offers a limited warranty covering defects in materials and workmanship.

For technical assistance, parts, or service, please contact Graco customer support directly. You can often find contact information on the product itself, in the packaging, or by visiting the official Graco brand store online: [Visit](#)

